

AMENDMENT TO SPECIFICATION

In the specification, please delete the paragraph at pages 6-7 of the specification and replace it with the following:

Compounds modulating CD59 mediated complement activity, compositions including these compounds, and methods of making and using the compounds are disclosed, which are based on the identification of the hu CD59 amino acid residues which serve as the binding site for CD59-C9 interactions. These residues correspond to amino acid residues 42-58, and bind to the region of C9 corresponding to human 334-418, more specifically, between amino acid residues 359 and 384. Compounds can be derived using the basic amino acid sequence and corresponding three dimensional structure within the protein using any of several techniques known to those skilled in the art, including rational drug design using computer data bases/databases and modeling of peptide/protein-ligand binding, antibodies and anti-idiotypic antibodies generated to the proteins or peptides containing this peptide sequence, and modified peptides. Those compounds imitating the structure and/or function of the peptide region are referred to herein as "peptidomimetics", and include small molecules which present the surface exposed side chains in these amino acids in the same relative positions, compounds identified by combinatorial chemistry techniques which bind to active portions of human C9, as well as modified peptides. In particular, peptidomimetics and peptides of less than 40 amino acid residues and having the structure and function of human CD59 amino acid residues 42-58 of SEQ ID NO:3 are contemplated, the peptidomimetic or peptide binding specifically to human C9 at amino acid residues 26-51 of SEQ ID NO:14, as well as methods of their use for inhibiting human C5b-9 complex assembly.